

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits     | Search Query   | DBs                      | Default Operator | Plurals | Time Stamp       |
|-------|----------|--|--------------------------|------------------|---------|------------------|
| L1    | 35860    | (vector\$1 array\$1) with (add\$4) same (operation function algorithm) | US-PGPUB; USPAT; DERWENT | OR               | OFF     | 2010/01/30 21:48 |
| L3    | 51742    | (vector\$1 array\$1) with (add\$6) same (operation function algorithm) | US-PGPUB; USPAT; DERWENT | OR               | OFF     | 2010/01/30 22:07 |
| L4    | 405343   | compar\$4 same (maximum minimum max min)                               | US-PGPUB; USPAT; DERWENT | OR               | OFF     | 2010/01/30 22:08 |
| L5    | 2156     | (backup protection) near3 bandwidth                                    | US-PGPUB; USPAT; DERWENT | OR               | OFF     | 2010/01/30 22:08 |
| L6    | 173      | 3 and 4 and 5  | US-PGPUB; USPAT; DERWENT | OR               | OFF     | 2010/01/30 22:08 |
| L7    | 25880686 | @ad< "20030331"  | USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2010/01/30 22:09 |
| L8    | 21       | 6 and 7  | USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2010/01/30 22:09 |
| L9    | 0        | 8 and mesh   | USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2010/01/30 22:09 |
| L10   | 7        | 3 and 5 and mesh   | US-PGPUB; USPAT; DERWENT | OR               | OFF     | 2010/01/30 22:09 |
| L11   | 0        | 7 and 10   | US-PGPUB; USPAT; DERWENT | OR               | OFF     | 2010/01/30 22:09 |
| L12   | 4381     | (backup protection) with bandwidth                                     | US-PGPUB; USPAT; DERWENT | OR               | OFF     | 2010/01/30 22:10 |
| L13   | 7        | 3 and 12 and mesh  | US-PGPUB; USPAT; DERWENT | OR               | OFF     | 2010/01/30 22:10 |
| L14   | 0        | 7 and 13   | US-PGPUB; USPAT; DERWENT | OR               | OFF     | 2010/01/30 22:10 |
| L15   | 456      | mesh and (restor\$4) same fail\$4 near5 (node link)                    | US-PGPUB; USPAT; DERWENT | OR               | OFF     | 2010/01/30 22:11 |
| L16   | 6        | 3 and 15   | US-PGPUB; USPAT; DERWENT | OR               | OFF     | 2010/01/30 22:11 |

|     |       |  |                                |    |     |                     |
|-----|-------|--|--------------------------------|----|-----|---------------------|
| L17 | 1     | 7 and 16   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:11 |
| L18 | 32    | array same vector\$1 and<br>(restor\$4) same fail\$4<br>near5 (node link)                          | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:14 |
| L19 | 22    | array same vector\$1 and<br>fail\$4 near5 (node link)<br>and (protection backup)<br>same bandwidth | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:14 |
| L20 | 14    | 7 and 18   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:14 |
| L21 | 7     | 7 and 19   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:14 |
| L22 | 1     | 20 and mesh  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:14 |
| L23 | 1     | 21 and mesh  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:14 |
| L24 | 2826  | mesh and fail\$4 near5<br>(node link)  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:48 |
| L25 | 142   | bandwidth same reserv\$4<br>near10 (failure)   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:49 |
| L26 | 280   | bandwidth same reserv\$4<br>near10 (fail\$4)   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:49 |
| L27 | 810   | bandwidth same reserv\$4<br>same(fail\$4)  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:50 |
| L28 | 280   | 26 and 27  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:50 |
| L29 | 73    | 24 and 28 and 5  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:51 |
| L30 | 20    | 7 and 29   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:51 |
| L31 | 0     | 30 and vector same (link<br>nodes) same bandwidth  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:52 |
| L32 | 63    | primary adj1 path and<br>restor\$4 same bandwidth  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:56 |
| L33 | 67150 | 32 an d7   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:57 |

|     |     |   |                                |    |     |                     |
|-----|-----|---|--------------------------------|----|-----|---------------------|
| L34 | 22  | 32 and 7  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>22:57 |
| L35 | 284 | (entry entries vector)<br>same (protection backup<br>reserve\$1) near4<br>bandwidth             | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:00 |
| L36 | 47  | (entry entries vector) with<br>vector same (protection<br>backup reserve\$1) near4<br>bandwidth | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:00 |
| L37 | 10  | 7 and 36  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:00 |
| L38 | 1   | 37 and mesh   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:00 |
| L39 | 121 | 7 and 35  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:01 |
| L40 | 11  | 39 and mesh   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:01 |
| L41 | 0   | 38 and request\$4 with<br>service\$1  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:04 |
| L42 | 0   | 38 and request\$4 same<br>service\$1  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:04 |
| L43 | 0   | 38 and request\$4   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:05 |
| L44 | 0   | 38 and service  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:05 |
| L45 | 8   | 40 and additional same<br>bandwidth   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:10 |
| L46 | 2   | 40 and request\$4 same<br>additional same bandwidth   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:11 |
| L47 | 1   | 40 and (requir\$4 request<br>\$4) near4 additional<br>near10 bandwidth                          | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:12 |
| L48 | 464 | (requir\$4 request\$4)<br>near4 additional near10<br>bandwidth same service                     | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:14 |
| L49 | 6   | 7 and 48 and mesh   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:14 |

|     |     |   |                                |    |     |                     |
|-----|-----|---|--------------------------------|----|-----|---------------------|
| L50 | 0   | 49 and vector same<br>(entries entry element)   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:14 |
| L51 | 0   | 49 and vector same<br>(entries entry element\$1)  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:14 |
| L52 | 0   | 49 and restor\$4 same<br>(protection backup) same<br>bandwidth  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:15 |
| L53 | 1   | 49 and(protection backup)<br>same bandwidth   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:16 |
| L54 | 10  | ("20010032271"  <br>"20020054572"  <br>"20020067693"  <br>"20020071392"  <br>"20020093954"  <br>"20020097461"  <br>"20020186665"  <br>"6154296"   "6256309"  <br>"6680912").PN. | US-PGPUB;<br>USPAT; USOCR      | OR | OFF | 2010/01/30<br>23:18 |
| L55 | 1   | 45 and request\$4 with<br>service   | US-PGPUB;<br>USPAT; USOCR      | OR | OFF | 2010/01/30<br>23:20 |
| L56 | 3   | 45 and request\$4 same<br>service   | US-PGPUB;<br>USPAT; USOCR      | OR | OFF | 2010/01/30<br>23:20 |
| L57 | 7   | 10/673381   | US-PGPUB;<br>USPAT; USOCR      | OR | OFF | 2010/01/30<br>23:22 |
| L58 | 0   | "10673381"  | US-PGPUB;<br>USPAT; USOCR      | OR | OFF | 2010/01/30<br>23:22 |
| L59 | 34  | (additional more) adj1<br>protection with bandwidth   | US-PGPUB;<br>USPAT; USOCR      | OR | OFF | 2010/01/30<br>23:28 |
| L60 | 13  | 7 and 59  | US-PGPUB;<br>USPAT; USOCR      | OR | OFF | 2010/01/30<br>23:28 |
| L61 | 4   | 60 and mesh   | US-PGPUB;<br>USPAT; USOCR      | OR | OFF | 2010/01/30<br>23:29 |
| L62 | 63  | requir\$4 near5 protection<br>same bandwidth same<br>service  | US-PGPUB;<br>USPAT; USOCR      | OR | OFF | 2010/01/30<br>23:35 |
| L63 | 77  | requir\$4 near5 protection<br>same bandwidth same<br>service\$1   | US-PGPUB;<br>USPAT; USOCR      | OR | OFF | 2010/01/30<br>23:35 |
| L64 | 68  | (obtain\$4 acquir\$4requir<br>\$4 reserv\$4) near5<br>protection same<br>bandwidth same service\$1  | US-PGPUB;<br>USPAT; USOCR      | OR | OFF | 2010/01/30<br>23:36 |
| L65 | 135 | (obtain\$4 acquir\$4 requir<br>\$4 reserv\$4) near5<br>protection same<br>bandwidth same service\$1   | US-PGPUB;<br>USPAT; USOCR      | OR | OFF | 2010/01/30<br>23:36 |
| L66 | 7   | 65 and vector same<br>(entries entry element)   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:37 |

|     |     |  |                                |    |     |                     |
|-----|-----|--|--------------------------------|----|-----|---------------------|
| L67 | 0   | 66 and 7 and mesh  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:37 |
| L68 | 0   | 66 and 7   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:37 |
| L69 | 21  | ((obtain\$4 acquir\$4 requir<br>\$4 reserv\$4) near5<br>(protection same<br>bandwidth)) and new adj1<br>service\$1   | US-PGPUB;<br>USPAT; USOCR      | OR | OFF | 2010/01/30<br>23:38 |
| L70 | 2   | 7 and 69   | US-PGPUB;<br>USPAT; USOCR      | OR | OFF | 2010/01/30<br>23:38 |
| L71 | 30  | request\$4 near4 service<br>and determin\$4 same<br>protection same<br>bandwidth same need\$3  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:44 |
| L72 | 7   | 7 and 71   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:44 |
| L73 | 0   | 72 and mesh  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:44 |
| L74 | 110 | request\$4 near3 new and<br>determin\$4 same<br>protection same<br>bandwidth   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:46 |
| L75 | 2   | 7 and 74 and mesh  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:46 |
| L76 | 280 | ("20010038471"  <br>"20010048660"  <br>"20020004843"  <br>"20020009092"  <br>"20020059432"  <br>"20020067693"  <br>"20020067693"  <br>"20020071392"  <br>"20020097671"  <br>"20020118636"  <br>"20020141334"  <br>"20020174207"  <br>"20020181444"  <br>"20020191247"  <br>"20020194339"  <br>"20030005165"  <br>"20030009582"  <br>"20030016624"  <br>"20030018812"  <br>"20030021222"  <br>"20030037276"  <br>"20030048749"  <br>"20030065811"  <br>"20030065811"  <br>"20030095500" | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:50 |

|               |           |
|---------------|-----------|
| "20030112760" |           |
| "20030117950" |           |
| "20030147352" |           |
| "20030169692" |           |
| "20030179700" |           |
| "20030179701" |           |
| "20030193944" |           |
| "20030223357" |           |
| "20040004938" |           |
| "20040008619" |           |
| "20040032831" |           |
| "20040042402" |           |
| "20040052207" |           |
| "20040057375" |           |
| "20040114512" |           |
| "20040165526" |           |
| "20040174882" |           |
| "20040184402" |           |
| "20040186696" |           |
| "20040190441" |           |
| "20040190445" |           |
| "20040190461" |           |
| "20040205239" |           |
| "20040208547" |           |
| "20040233843" |           |
| "20050036442" |           |
| "20050185652" |           |
| "20050201276" |           |
| "20050232144" |           |
| "20060013149" |           |
| "20060051090" |           |
| "20060153066" |           |
| "20060178918" |           |
| "20070011284" |           |
| "20070104120" |           |
| "20070189191" |           |
| "20080095045" |           |
| "20080225696" |           |
| "20080310299" |           |
| "20090040989" |           |
| "4190821"     | "4594709" |
| "4797882"     | "5365518" |
| "5452286"     | "5506956" |
| "5706276"     | "5754543" |
| "5854903"     | "5856981" |
| "5881048"     | "5933422" |
| "5933425"     | "5956339" |
| "5995485"     | "6075766" |
| "6097696"     | "6104701" |
| "6130875"     | "6141318" |
| "6205117"     | "6282170" |
| "6477582"     | "6512740" |
| "6538987"     | "6549513" |
| "6606303"     | "6643464" |
| "6697334"     | "6711125" |
| "6725401"     | "6744727" |
| "6760302"     | "6778492" |
| "6795394"     | "6807653" |
| "6842723"     | "6850487" |

|     |          |   |                                |    |     |                     |
|-----|----------|---|--------------------------------|----|-----|---------------------|
|     |          | "6856592"   "6863363"  <br>"6882627"   "6895441"  <br>"6904462"   "6977889"  <br>"6982951"   "6990068"  <br>"6996065"   "7009991"  <br>"7039009"   "7042836"  <br>"7099286"   "7099286"  <br>"7110356"   "7133358"  <br>"7164652"   "7180852"  <br>"7188280"   "7197008"  <br>"7209975"   "7218851"  <br>"7248561"   "7272116"  <br>"7274869"   "7280755"  <br>"7301895"   "7308198"  <br>"7342873"   "7352692"  <br>"7362709"   "7398321"  <br>"7430164"   "7477657"  <br>"7502313").PN. |                                |    |     |                     |
| L77 | 42       | 76 and request\$4 same<br>service\$1  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:50 |
| L78 | 28       | 77 and mesh   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:51 |
| L79 | 35       | 76 and request\$4 with<br>service\$1  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:51 |
| L80 | 23       | 79 and mesh   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2010/01/30<br>23:51 |
| S1  | 1871     | 709/238.ccls.   | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2007/08/05<br>22:53 |
| S2  | 60       | (doshi with bharat).in.   | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2007/08/05<br>22:53 |
| S3  | 27094    | "709"/\$.ccls.  | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2007/08/05<br>22:54 |
| S4  | 270870   | (nodel link computer<br>system) with (failure fault<br>error)   | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2007/08/05<br>22:54 |
| S5  | 1865     | (restor\$4 protect\$4) with<br>bandwidth  | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2007/08/05<br>22:55 |
| S6  | 565      | S4 and S5   | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2007/08/05<br>22:55 |
| S7  | 23460546 | @ad<"20030331"  | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2007/08/13<br>18:09 |
| S8  | 513      | S6 and S7   | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2007/08/05<br>22:55 |
| S9  | 8        | S8 and (array with vector<br>\$1)   | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2007/08/05<br>23:04 |
| S10 | 2        | "20030147352"   | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2007/08/05<br>23:05 |

|     |          |   |                             |    |     |                     |
|-----|----------|---|-----------------------------|----|-----|---------------------|
| S11 | 1        | "20040004938"   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/05<br>23:05 |
| S12 | 1        | "20070011284"   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/05<br>23:06 |
| S13 | 2        | "7099286".pn.   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/05<br>23:06 |
| S14 | 1        | "20030018812"   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/05<br>23:07 |
| S15 | 1        | "20020191244"   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/05<br>23:07 |
| S16 | 65       | ("4583090" "5014265"<br>"5206856" "5448564"<br>"5459723" "5537468"<br>"5550992" "5596492"<br>"5650998" "5675576"<br>"5717690" "5719854"<br>"5742745" "5787086"<br>"5867663" "5878040"<br>"5881049" "5933422"<br>"5949772" "6023468"<br>"6049823" "6069894"<br>"6072799" "6076112"<br>"6078566" "6088141"<br>"6115748" "6128305"<br>"6134217" "6157649"<br>"6240463" "6442663"<br>"6643464" "7218851").pn. | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:08 |
| S17 | 23463404 | @ad< "20030331"   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:09 |
| S18 | 65       | S16 and S17   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:10 |
| S19 | 14       | S18 and bandwidth with<br>(reserv\$4 requir\$4)   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:10 |
| S20 | 5        | S19 and "709"/\$.ccls.  | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:13 |
| S21 | 0        | S20 and protection adj1<br>bandwidth  | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:12 |
| S22 | 17       | "20020067693"<br>"20030229807"<br>"20040151124"<br>"20040184402"<br>"20040190445"<br>"20040193724"<br>"20040193728"<br>"20040205237"<br>"20040205238"<br>"20040205239"<br>"20050025058"<br>"20050071484"<br>"20050243711"<br>"20060056286"<br>"20060067243"<br>"20070036073"  | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:13 |



|     |       |   |                             |    |     |                     |
|-----|-------|---|-----------------------------|----|-----|---------------------|
| S23 | 0     | S22 and "709"/\$.cls.   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:15 |
| S24 | 0     | "10673382"  | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:13 |
| S25 | 0     | 10/673382   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:13 |
| S26 | 0     | 200300658/811   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:14 |
| S27 | 1     | 2003/0065811  | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:14 |
| S28 | 1     | "20030065811"   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:14 |
| S29 | 1998  | (bandwidth with (reserver<br>required)).ab.   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:16 |
| S30 | 44    | S29 and "709"/\$.cls.   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:15 |
| S31 | 43    | S30 and S17   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:15 |
| S32 | 5     | S31 and (link node) with<br>(failure error fault)   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:18 |
| S33 | 2     | (bandwidth with (reserver<br>required) with (link node)<br>with (failure fault error)).<br>ab.  | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:20 |
| S34 | 0     | S32 and (vector array)<br>with (updat\$4 modify\$4)   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:18 |
| S35 | 7     | (bandwidth with (reserv\$3<br>required) with (link node)<br>with (failure fault error)).<br>ab. | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:20 |
| S36 | 2     | S17 and S35   | USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2007/08/13<br>18:21 |
| S37 | 1     | "5856981".pn.   | USPAT                       | OR | OFF | 2007/08/14<br>15:24 |
| S38 | 6180  | ((reciev\$4 send\$4 transmit<br>\$4) with (request<br>command) with link)                       | USPAT                       | OR | OFF | 2007/08/17<br>13:44 |
| S39 | 4437  | (vaughn.xa. vaughn.xp.<br>geckil.xp. harrell.xp. kang.<br>xp. rinehart.xp.)                     | USPAT                       | OR | OFF | 2007/08/17<br>13:52 |
| S40 | 108   | S38 and S39   | USPAT                       | OR | OFF | 2007/08/17<br>13:53 |
| S41 | 41    | (determin\$4 evaluat\$4)<br>with ((protection reserve)<br>near2 bandwidth)                      | USPAT                       | OR | OFF | 2007/08/17<br>14:00 |
| S42 | 13602 | (determin\$4 evaluat\$4)<br>with bandwidth  | USPAT                       | OR | OFF | 2007/08/17<br>14:33 |
| S43 | 3101  | (updat\$4 modify\$4) with<br>bandwidth  | USPAT                       | OR | OFF | 2007/08/17<br>14:33 |

|     |          |  |                                |    |     |                     |
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| S44 | 1164     | S42 and S43  | USPAT                          | OR | OFF | 2007/08/17<br>14:34 |
| S45 | 17       | S39 and S44  | USPAT                          | OR | OFF | 2007/08/17<br>14:34 |
| S46 | 3        | (restoration near3 path<br>with bandwidth).ab.   | US-PGPUB;<br>USPAT             | OR | OFF | 2007/08/17<br>14:34 |
| S47 | 10482    | (node\$1 host client server<br>user terminal) same<br>(dedicated restor\$5<br>protection reserved) with<br>(bandwidth path)  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2008/08/05<br>12:24 |
| S48 | 16846    | (request same service)<br>same (map\$3 table array<br>vector (data adj1<br>structure))   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2008/08/05<br>12:25 |
| S49 | 5829     | reserv\$4 with bandwidth   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2008/08/05<br>12:25 |
| S50 | 26059    | (updat\$4 modify\$4 chang<br>\$4) with bandwidth   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2008/08/05<br>12:26 |
| S51 | 17189251 | @ad< "20030331"  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2008/08/05<br>12:26 |
| S52 | 72       | S47 and S48 and S49 and<br>S50 and S51   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2008/08/05<br>12:26 |
| S53 | 4        | S52 and mesh   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2008/08/05<br>12:27 |
| S54 | 3        | "7209975".pn.  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2008/08/05<br>12:47 |
| S55 | 2        | "20020191247"  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2008/08/05<br>13:42 |
| S56 | 36       | "20020067693"<br>"20030229807"<br>"20040151124"<br>"20040184402"<br>"20040190445"<br>"20040193724"<br>"20040193728"<br>"20040205237"<br>"20040205238"<br>"20040205239"<br>"20050025058"<br>"20050071484"<br>"20050243711"<br>"20060056286"<br>"20060067243"<br>"20070036073" | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2008/08/05<br>14:11 |

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|-----|----------|---|--|----|-----|---------------------|
| S57 | 8        | S51 and S56   | US-PGPUB;<br>USPAT;<br>DERWENT           | OR | OFF | 2008/08/05<br>14:12 |
| S58 | 327      | "6069894" "6072799"<br>"6076112" "6078566"<br>"6088141" "6115748"<br>"6134217" "6157649"<br>"6442663" "6643464"<br>"7218851" "7263100"<br>"7280755"                   | US-PGPUB;<br>USPAT;<br>DERWENT           | OR | OFF | 2008/08/05<br>14:18 |
| S59 | 283      | S51 and S58   | US-PGPUB;<br>USPAT;<br>DERWENT           | OR | OFF | 2008/08/05<br>14:18 |
| S60 | 26       | ("6069894", "6072799",<br>"6076112", "6078566",<br>"6088141", "6115748",<br>"6134217", "6157649",<br>"6442663", "6643464",<br>"7218851", "7263100",<br>"7280755").pn. | US-PGPUB;<br>USPAT;<br>DERWENT           | OR | OFF | 2008/08/05<br>14:18 |
| S61 | 24       | S51 and S60   | US-PGPUB;<br>USPAT;<br>DERWENT           | OR | OFF | 2008/08/05<br>14:19 |
| S62 | 1        | "20030117950"   | US-PGPUB;<br>USPAT                       | OR | OFF | 2009/02/01<br>22:22 |
| S63 | 6        | ("2003/0117950").URPN.  | USPAT                                    | OR | OFF | 2009/02/01<br>23:21 |
| S64 | 178      | vector\$1 same link same<br>bandwidth   | USPAT                                    | OR | OFF | 2009/02/02<br>00:57 |
| S65 | 344      | vector\$1 same link same<br>bandwidth   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/02<br>00:57 |
| S66 | 25861151 | @ad< "20030331"   | USPAT; EPO;<br>JPO; DERWENT              | OR | OFF | 2009/02/02<br>00:57 |
| S67 | 163      | S65 and S66   | US-PGPUB;<br>USPAT;<br>DERWENT           | OR | OFF | 2009/02/02<br>00:57 |
| S68 | 2382     | (restor\$4 protect\$4) with<br>bandwidth  | USPAT; EPO;<br>JPO; DERWENT              | OR | OFF | 2009/02/02<br>00:57 |
| S69 | 13       | S67 and S68   | USPAT; EPO;<br>JPO; DERWENT              | OR | OFF | 2009/02/02<br>00:57 |
| S70 | 2        | "6996065".pn.   | USPAT; EPO;<br>JPO; DERWENT              | OR | OFF | 2009/02/02<br>01:34 |
| S71 | 33       | protection adj1 bandwidth<br>with (node link) same<br>failure   | USPAT; EPO;<br>JPO; DERWENT              | OR | OFF | 2009/08/30<br>21:40 |
| S72 | 222      | (updat\$4 modify\$4) same<br>additional near3<br>bandwidth  | USPAT; EPO;<br>JPO; DERWENT              | OR | OFF | 2009/08/30<br>21:41 |
| S73 | 3        | S71 and S72   | USPAT; EPO;<br>JPO; DERWENT              | OR | OFF | 2009/08/30<br>21:41 |

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| S74 | 25872273 | @ad<"20030331"  | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2009/08/30<br>21:41 |
| S75 | 33       | protection adj1 bandwidth<br>with (node link) same<br>failure | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2009/08/30<br>21:42 |
| S76 | 222      | (updat\$4 modify\$4) same<br>additional near3<br>bandwidth    | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2009/08/30<br>21:42 |
| S77 | 0        | S74 and S75 and S76   | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2009/08/30<br>21:42 |
| S78 | 63       | protection adj1 bandwidth<br>with (node link)                 | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2009/08/30<br>21:43 |
| S79 | 0        | S74 and S76 and S78   | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2009/08/30<br>21:43 |
| S80 | 4633     | (updat\$4 modify\$4) with<br>bandwidth                        | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2009/08/30<br>21:43 |
| S81 | 113      | S76 and S80   | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2009/08/30<br>21:43 |
| S82 | 88       | S74 and S81   | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2009/08/30<br>21:43 |
| S83 | 62       | S82 and (table (data adj1<br>structure) vector array)         | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2009/08/30<br>21:44 |
| S84 | 25       | S83 and bandwidth near3<br>required                           | USPAT; EPO;<br>JPO; DERWENT    | OR | OFF | 2009/08/30<br>21:44 |
| S85 | 2        | "6895441".pn.   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | OFF | 2009/08/30<br>21:51 |
| S86 | 22       | ("6895441").URPN.   | USPAT                          | OR | OFF | 2009/08/30<br>21:51 |
| S87 | 16       | S74 and S86   | USPAT                          | OR | OFF | 2009/08/30<br>21:51 |
| S88 | 14       | S87 and (vector array<br>table (data adj1<br>structure))      | USPAT                          | OR | OFF | 2009/08/30<br>21:52 |
| S89 | 1        | "6856592".pn.   | USPAT                          | OR | OFF | 2009/08/30<br>22:06 |
| S90 | 1        | "7009991".pn.   | USPAT                          | OR | OFF | 2009/08/30<br>22:12 |

1/30/2010 11:54:30 PM

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